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JAPANESE PATENT OFFICE

## PATENT ABSTRACTS OF JAPAN

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**B24B 13/00**
(21) Application number: **07225225**(71) Applicant: **TOPCON CORP**(22) Date of filing: **01.09.95**(72) Inventor: **KOYAMA MORIAKI**(54) **POLISHING METHOD AND POLISHING DEVICE**

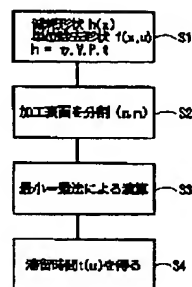
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(57) Abstract:

**PROBLEM TO BE SOLVED:** To obtain a sufficiently accurate solution regarding the residence time of a polishing tool through a short calculation time by dividing the processing surface of a work, on which the polishing tool is to be abutted, into a specific size, providing the unit removal shape of the polishing tool and the target depletion distribution, and finding the residence time of the polishing tool through a minimum square method.

**SOLUTION:** A drive control means 102 for controlling the drive of a polishing drive means 101 based on the residence time  $t(u)$  found by a calculation means 103 is provided. The processing surface of a work on which the polishing tool is to be abutted is divided into a plurality of areas (S1, S2), and through the calculation by a minimum square method based on the rule of thumb of preston, which is  $h = \eta \cdot v \cdot p \cdot t$  ( $h$ : depletion quantity,  $\eta$ : proportional constant,  $v$ : relative speed,  $p$ : pressure,  $t$ : residence time), the residence time  $t(u)$  of the polishing tool is found (S3, S4).

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# POLISHING METHOD AND POLISHING DEVICE

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**Applicant:** TOPCON CORP  
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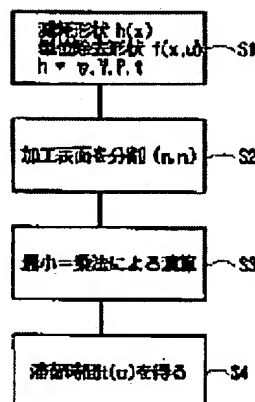
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## Abstract of JP9066464

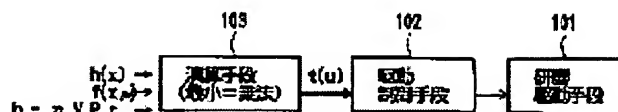
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